

Syngp120mn

1 CTCGAGATCC ATTGTGCTCT AAAGGAGATA CCCGGCCAGA CACCCTCACC
51 TGCGGTGCCC AGCTGCCCAG GCTGAGGCAA GAGAAGGCCA GAAACCATGC
101 CCATGGGGTC TCTGCAACCG CTGGCCACCT TGTACCTGCT GGGGATGCTG
151 GTCGCTTCCG TGCTAGCCAC CGAGAAGCTG TGGGTGACCG TGTACTACGG
201 CGTGCCCGTG TGGAAGGAGG CCACCACCAC CCTGTTCTGC GCCAGCGACG
251 CCAAGGCGTA CGACACCGAG GTGCACAACG TGTGGGCCAC CCAGGCGTGC
301 GTGCCCACCG ACCCCAACCC CCAGGAGGTG GAGCTCGTGA ACGTGACCGA
351 GAACTTCAAC ATGTGGAAGA ACAACATGGT GGAGCAGATG CATGAGGACA
401 TCATCAGCCT GTGGGACCAG AGCCTGAAGC CCTGCGTGAA GCTGACCCCC
451 CTGTGCGTGA CCCTGAACTG CACCGACCTG AGGAACACCA CCAACACCAA
501 CAACAGCACC GCCAACAACA ACAGCAACAG CGAGGGCACC ATCAAGGGCG
551 GCGAGATGAA GAACTGCAGC TTCAACATCA CCACCAGCAT CCGCGACAAG
601 ATGCAGAAGG AGTACGCCCT GCTGTACAAG CTGGATATCG TGAGCATCGA
651 CAACGACAGC ACCAGCTACC GCCTGATCTC CTGCAACACC AGCGTGATCA
701 CCCAGGCCTG CCCCAAGATC AGCTTCGAGC CCATCCCCAT CCACTACTGC
751 GCCCCGCCG GCTTCGCCAT CCTGAAGTGC AACGACAAGA AGTTCAGCGG
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851 GGCCGGTGGT GAGCACCCAG CTCCTGCTGA ACGGCAGCCT GGCCGAGGAG
901 GAGGTGGTGA TCCGCAGCGA GAACTTCACC GACAACGCCA AGACCATCAT
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1001 ACAAGCGCAA GCGCATCCAC ATCGGCCCCG GGCGCGCCTT CTACACCACC
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1101 CAAGTGGAAC GACACCCTGC GCCAGATCGT GAGCAAGCTG AAGGAGCAGT
1151 TCAAGAACAA GACCATCGTG TTCAACCAGA GCAGCGGCGG CGACCCCGAG
1201 ATCGTGATGC ACAGCTTCAA CTGCGGCGGC GAATTCTTCT ACTGCAACAC
1251 CAGCCCCCTG TTCAACAGCA CCTGGAACGG CAACAACACC TGAACAACA
1301 CCACCGGCAG CAACAACAAT ATTACCCTCC AGTGCAAGAT CAAGCAGATC
1351 ATCAACATGT GGCAGGAGGT GGGCAAGGCC ATGTACGCCC CCCCCATCGA
1401 GGGCCAGATC CGGTGCAGCA GCAACATCAC CGGTCTGCTG CTGACCCGCG
1451 ACGGCGGCAA GGACACCGAC ACCAACGACA CCGAAATCTT CCGCCCCGGC

Fig. 1A

1501 GGCGGCGACA TCGCGACAA CTGGAGATCT GAGCTGTACA AGTACAAGGT
1551 GGTGACGATC GAGCCCCTGG GCGTGGCCCC CACCAAGGCC AAGCGCCGCG
1601 TGGTGCAGCG CGAGAAGCGC TAAAGCGGCC GC (SEQ ID NO: 34)

Fig. 1B

Syngp160mn

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1  ACCGAGAAGC TGTGGGTGAC CGTGTACTAC GCGTGCCCCG TGTGGAAGGA
51  GGCCACCACC ACCCTGTTCT GCGCCAGCGA CGCCAAGGCG TACGACACCG
101 AGGTGCACAA CGTGTGGGCC ACCCAGGCGT GCGTGCCCCAC CGACCCCAAC
151 CCCCAGGAGG TGGAGCTCGT GAACGTGACC GAGAACTTCA ACATGTGGAA
201 GAACAACATG GTGGAGCAGA TGCATGAGGA CATCATCAGC CTGTGGGACC
251 AGAGCCTGAA GCCCTGCGTG AAGCTGACCC CCCTGTGCGT GACCCTGAAC
301 TGCACCGACC TGAGGAACAC CACCAACACC AACAAACAGCA CCGCCAACAA
351 CAACAGCAAC AGCGAGGGCA CCATCAAGGG CGGCGAGATG AAGAACTGCA
401 GCTTCAACAT CACCACCAGC ATCCGCGACA AGATGCAGAA GGAGTACGCC
451 CTGCTGTACA AGCTGGATAT CGTGAGCATC GACAACGACA GCACCAGCTA
501 CCGCCTGATC TCCTGCAACA CCAGCGTGAT CACCCAGGCC TGCCCCAAGA
551 TCAGCTTCGA GCCCATCCCC ATCCACTACT GCGCCCCCGC CGGCTTCGCC
601 ATCCTGAAGT GCAACGACAA GAAGTTCAGC GGCAAGGGCA GCTGCAAGAA
651 CGTGAGCACC GTGCAGTGCA CCCACGGCAT CCGGCCGGTG GTGAGCACCC
701 AGCTCCTGCT GAACGGCAGC CTGGCCGAGG AGGAGGTGGT GATCCGCAGC
751 GAGAACTTCA CCGACAACGC CAAGACCATC ATCGTGCACC TGAATGAGAG
801 CGTGCAGATC AACTGCACGC GTCCCAACTA CAACAAGCGC AAGCGCATCC
851 ACATCGGCCC CGGGCGCGCC TTCTACACCA CCAAGAACAT CATCGGCACC
901 ATCCGCCAGG CCCACTGCAA CATCTCTAGA GCCAAGTGGG ACGACACCCT
951 GCGCCAGATC GTGAGCAAGC TGAAGGAGCA GTTCAAGAAC AAGACCATCG
1001 TGTTCAACCA GAGCAGCGGC GGCGACCCCG AGATCGTGAT GCACAGCTTC
1051 AACTGCGGCG GCGAATTCTT CTACTGCAAC ACCAGCCCCC TGTTCAACAG
1101 CACCTGGAAC GGCAACAACA CCTGGAACAA CACCACCGGC AGCAACAACA
1151 ATATTACCCT CCAGTGCAAG ATCAAGCAGA TCATCAACAT GTGGCAGGAG
1201 GTGGGCAAGG CCATGTACGC CCCCCCATC GAGGGCCAGA TCCGGTGCAG
1251 CAGCAACATC ACCGGTCTGC TGCTGACCCG CGACGGCGGC AAGGACACCG
1301 ACACCAACGA CACCGAAATC TTCCGCCCCG GCGGCGGCGA CATGCGCGAC
1351 AACTGGAGAT CTGAGCTGTA CAAGTACAAG GTGGTGACGA TCGAGCCCCT
1401 GGGCGTGGCC CCCACCAAGG CCAAGCGCCG CGTGGTGCAG CGCGAGAAGC
1451 GGGCCGCCAT CGGCGCCCTG TTCCTGGGCT TCCTGGGGGC GCGGGGCAGC

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Fig. 1C

1501 ACCATGGGGG CCGCCAGCGT GACCCTGACC GTGCAGGCCC GCCTGCTCCT
1551 GAGCGGCATC GTGCAGCAGC AGAACAACCT CCTCCGCGCC ATCGAGGCCC
1601 AGCAGCATAT GCTCCAGCTC ACCGTGTGGG GCATCAAGCA GCTCCAGGCC
1651 CGCGTGCTGG CCGTGGAGCG CTACCTGAAG GACCAGCAGC TCCTGGGCTT
1701 CTGGGGCTGC TCCGGCAAGC TGATCTGCAC CACCACGGTA CCCTGGAACG
1751 CCTCCTGGAG CAACAAGAGC CTGGACGACA TCTGGAACAA CATGACCTGG
1801 ATGCAGTGGG AGCGCGAGAT CGATAACTAC ACCAGCCTGA TCTACAGCCT
1851 GCTGGAGAAG AGCCAGACCC AGCAGGAGAA GAACGAGCAG GAGCTGCTGG
1901 AGCTGGACAA GTGGGCGAGC CTGTGGAAC TGGTTCGACAT CACCAACTGG
1951 CTGTGGTACA TCAAAATCTT CATCATGATT GTGGGCGGCC TGGTGGGCCT
2001 CCGCATCGTG TTCGCCGTGC TGAGCATCGT GAACCGCGTG CGCCAGGGCT
2051 ACAGCCCCCT GAGCCTCCAG ACCCGGCCCC CCGTGCCGCG CGGGCCCGAC
2101 CGCCCCGAGG GCATCGAGGA GGAGGGCGGC GAGCGCGACC GCGACACCAG
2151 CGGCAGGCTC GTGCACGGCT TCCTGGCGAT CATCTGGGTC GACCTCCGCA
2201 GCCTGTTCTT GTTCAGCTAC CACCACCGCG ACCTGCTGCT GATCGCCGCC
2251 CGCATCGTGG AACTCCTAGG CCGCCGCGGC TGGGAGGTGC TGAAGTACTG
2301 GTGGAACCTC CTCCAGTATT GGAGCCAGGA GCTGAAGTCC AGCGCCGTGA
2351 GCCTGCTGAA CGCCACCGCC ATCGCCGTGG CCGAGGGCAC CGACCGCGTG
2401 ATCGAGGTGC TCCAGAGGGC CGGGAGGGCG ATCCTGCACA TCCCCACCCG
2451 CATCCGCCAG GGGCTCGAGA GGGCGCTGCT G (SEQ ID NO: 35)

Fig. 1D

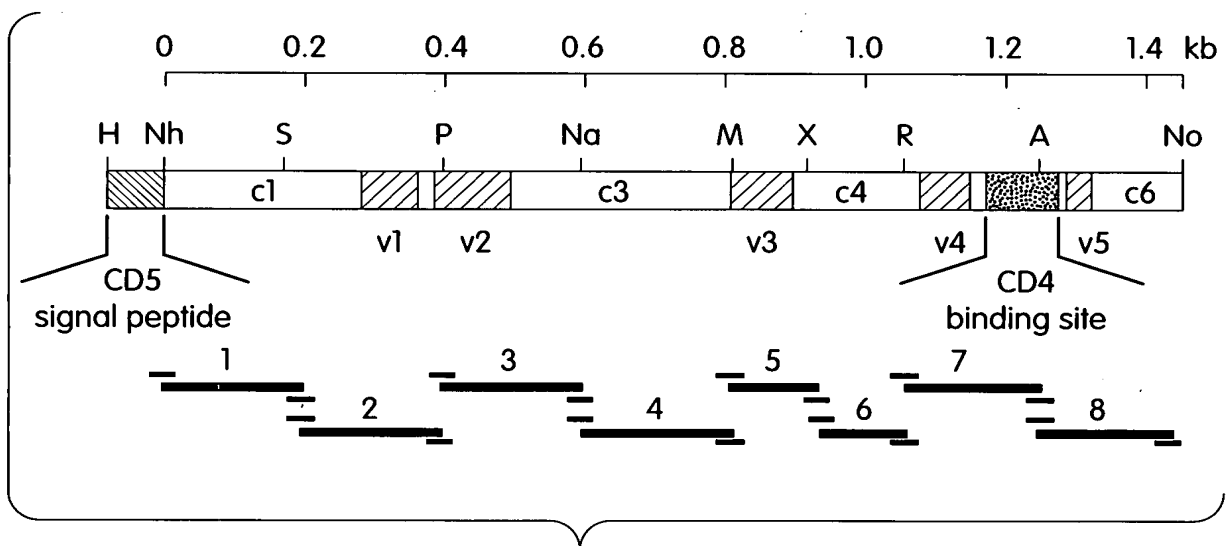


Fig. 2

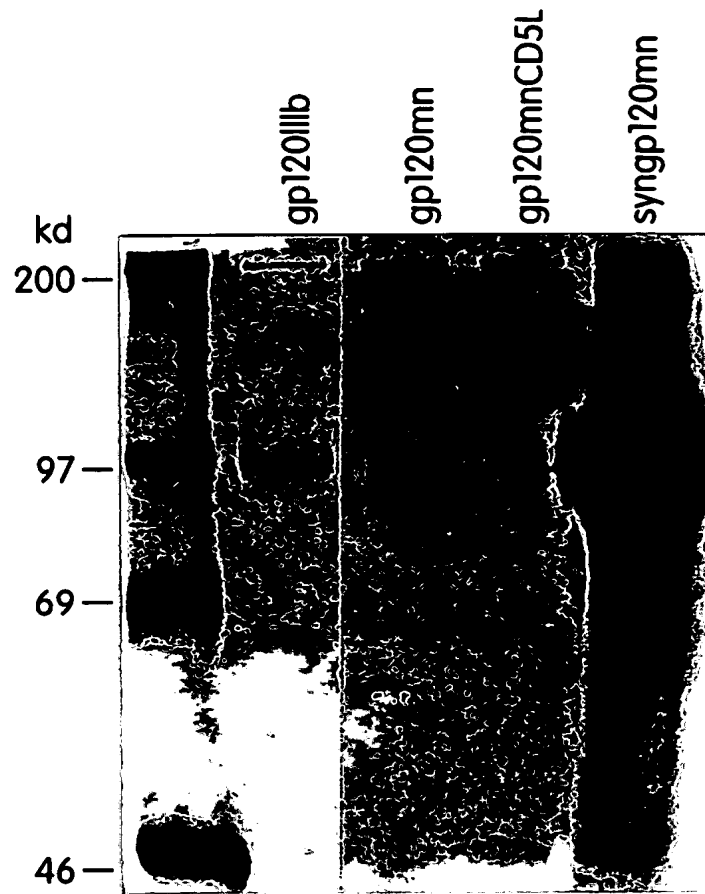


Fig. 3

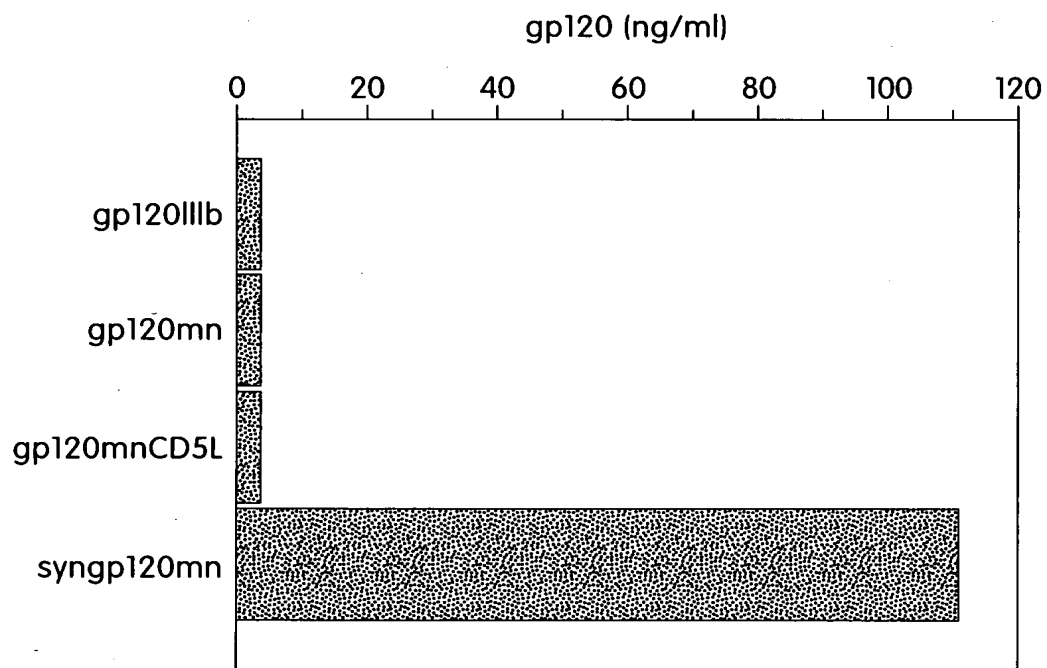


Fig. 4

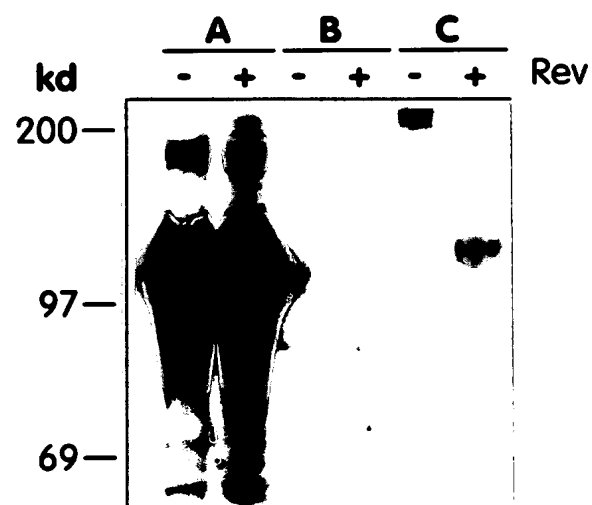


Fig. 5A

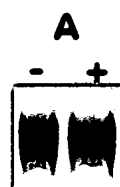


Fig. 5B

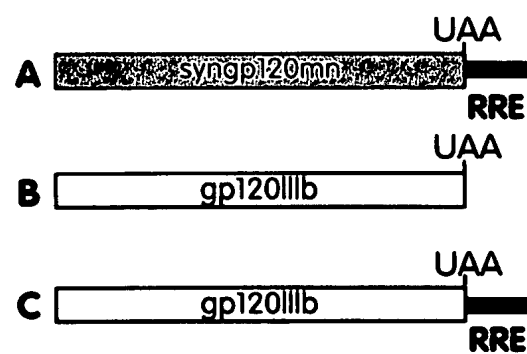


Fig. 5C

(SEQ ID NO: 36)
(SEQ ID NO: 37)

Fig. 6

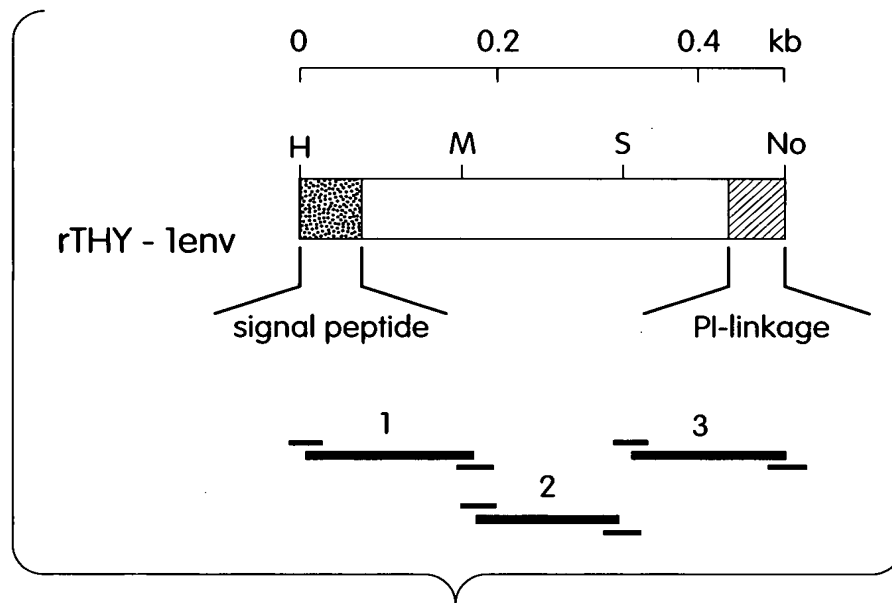


Fig. 7

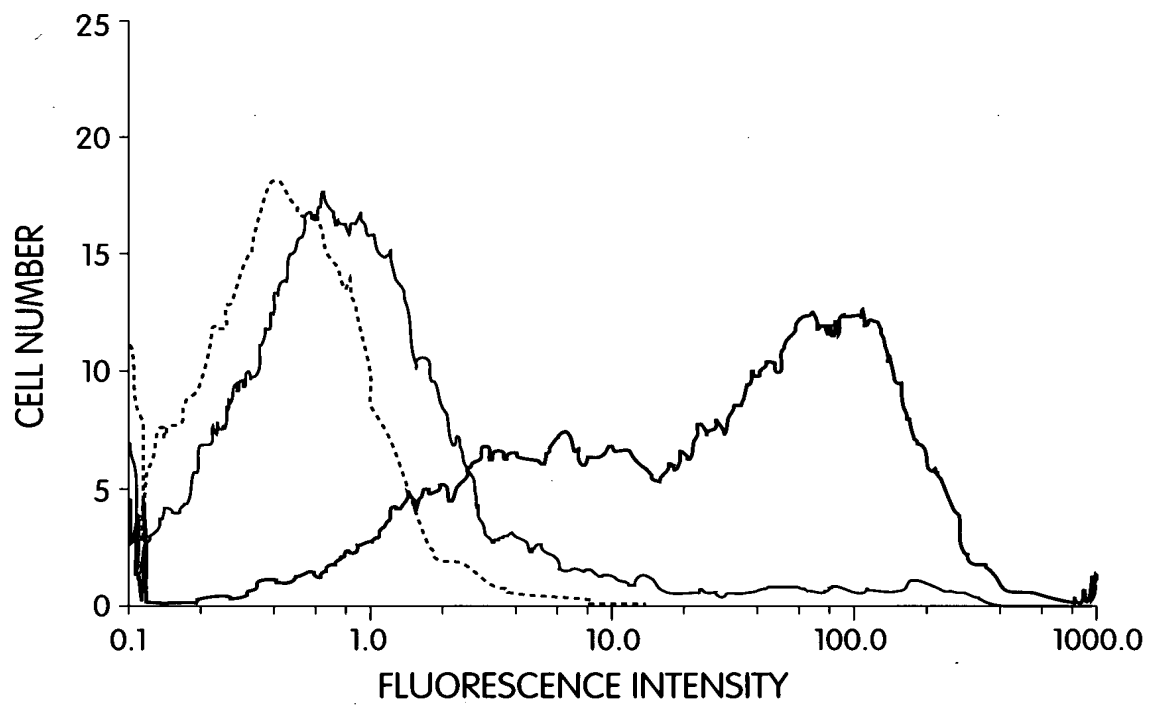


Fig. 8

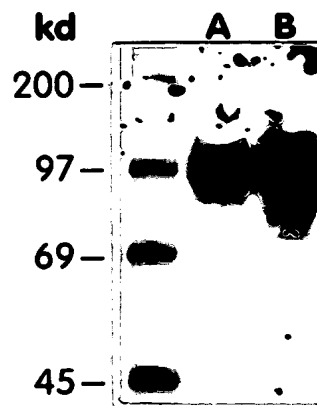


Fig. 9A

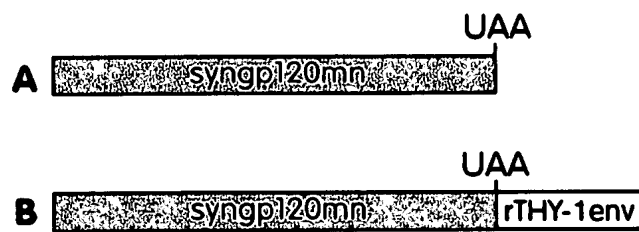


Fig. 9B



Fig 10

1 GAATTCACGC GTAAGCTTGC CGCCACCATG GTGAGCAAGG GCGAGGAGCT
51 GTTCACCGGG GTGGTGCCCA TCCTGGTCGA GCTGGACGGC GACGTGAACG
101 GCCACAAGTT CAGCGTGTCC GGCGAGGGCG AGGGCGATGC CACCTACGGC
151 AAGCTGACCC TGAAGTTCAT CTGCACCACC GGCAAGCTGC CCGTGCCCTG
201 GCCCACCCTC GTGACCACCT TCAGCTACGG CGTGCAAGTGC TTCAGCCGCT
251 ACCCCGACCA CATGAAGCAG CACGACTTCT TCAAGTCCGC CATGCCCCGAA
301 GGCTACGTCC AGGAGCGCAC CATCTTCTTC AAGGACGACG GCAACTACAA
351 GACCCGCGCC GAGGTGAAGT TCGAGGGCGA CACCCTGGTG AACCGCATCG
401 AGCTGAAGGG CATCGACTTC AAGGAGGACG GCAACATCCT GGGGCACAAG
451 CTGGAGTACA ACTACAACAG CCACAACGTC TATATCATGG CCGACAAGCA
501 GAAGAACGGC ATCAAGGTGA ACTTCAAGAT CCGCCACAAC ATCGAGGACG
551 GCAGCGTGCA GCTCGCCGAC CACTACCAGC AGAACACCCC CATCGGCGAC
601 GGCCCCGTGC TGCTGCCCCG CAACCACTAC CTGAGCACCC AGTCCGCCCT
651 GAGCAAAGAC CCAACGAGA AGCGCGATCA CATGGTCCTG CTGGAGTTCG
701 TGACCGCCGC CGGGATCACT CACGGCATGG ACGAGCTGTA CAAGTAAAGC
751 GGCCGCGGAT CC

Fig. 11

1	AAGCTTAAAC	CATGCCCATG	GGGTCTCTGC	AACCGCTGGC	CACCTTGTAC
51	CTGCTGGGGA	TGCTGGTGC	TTCCGTGCTA	GCCGCCACCA	GAAGATACTA
101	CCTGGGTGCA	GTGGAACGT	CATGGGACTA	TATGCAAAGT	GATCTCGGTG
151	AGCTGCCTGT	GGACGCAAGA	TTTCCTCCTA	GAGTGCCAAA	ATCTTTTCCA
201	TTCAACACCT	CAGTCGTGTA	CAAAAAGACT	CTGTTTGTAG	AATTCACGGA
251	TCACCTTTTC	AACATCGCTA	AGCCAAGGCC	ACCCTGGATG	GGTCTGCTAG
301	GTCTTACCAT	CCAGGCTGAG	GTTTATGATA	CAGTGGTCAT	TACACTTAAG
351	AACATGGCTT	CCCATCCTGT	CAGTCTTCAT	GCTGTTGGTG	TATCCTACTG
401	GAAAGCTTCT	GAGGGAGCTG	AATATGATGA	TCAGACCAGT	CAAAGGGAGA
451	AAGAAGATGA	TAAAGTCTTC	CCTGGTGGAA	GCCATACATA	TGTCTGGCAG
501	GTCTTGAAAG	AGAATGGTCC	AATGGCCTCT	GACCCACTGT	GCCTTACCTA
551	CTCATATCTT	TCTCATGTGG	ACCTGGTAAA	AGACTTGAAT	TCAGGCCTCA
601	TTGGAGCCCT	ACTAGTATGT	AGAGAAGGGA	GTCTGGCCAA	GGAAAAGACA
651	CAGACCTTGC	ACAAATTTAT	ACTACTTTTT	GCTGTATTTG	ATGAAGGGAA
701	AAGTTGGCAC	TCAGAAACAA	AGAACTCCTT	GATGCAGGAT	AGGGATGCTG
751	CATCTGCTCG	GGCCTGGCCT	AAAATGCACA	CAGTCAATGG	TTATGTAAAC
801	AGGTCTCTGC	CAGGTCTGAT	TGGATGCCAC	AGGAAATCAG	TCTATTGGCA
851	TGTGATTGGA	ATGGGCACCA	CTCCTGAAGT	GCACTCAATA	TTCTCGAAG
901	GTCACACATT	TCTTGTGAGG	AACCATCGCC	AGGCGTCCTT	GGAAATCTCG
951	CCAATAACTT	TCCTTACTGC	TCAAACACTC	TTGATGGACC	TTGGACAGTT
1001	TCTACTGTTT	TGTCATATCT	CTTCCCACCA	ACATGATGGC	ATGGAAGCTT
1051	ATGTCAAAGT	AGACAGCTGT	CCAGAGGAAC	CCCAACTACG	AATGAAAAAT
1101	AATGAAGAAG	CGGAAGACTA	TGATGATGAT	CTTACTGATT	CTGAAATGGA
1151	TGTGGTCAGG	TTTGATGATG	ACAACCTCTC	TTCCTTTATC	CAAATTCGCT
1201	CAGTTGCCAA	GAAGCATCCT	AAAACCTGGG	TACATTACAT	TGCTGCTGAA
1251	GAGGAGGACT	GGGACTATGC	TCCCTTAGTC	CTCGCCCCCG	ATGACAGAAG
1301	TTATAAAAGT	CAATATTTGA	ACAATGGCCC	TCAGCGGATT	GGTAGGAAGT
1351	ACAAAAAAGT	CCGATTTATG	GCATACACAG	ATGAAACCTT	TAAGACTCGT
1401	GAAGCTATTC	AGCATGAATC	AGGAATCTTG	GGACCTTTAC	TTTATGGGGA
1451	AGTTGGAGAC	ACACTGTTGA	TTATATTTAA	GAATCAAGCA	AGCAGACCAT
1501	ATAACATCTA	CCCTCAGGGA	ATCACTGATG	TCCGTCTTTT	GTATTCAAGG
1551	AGATTACCAA	AAGGTGTAAA	ACATTTGAAG	GATTTTCCAA	TTCTGCCAGG
1601	AGAAATATTC	AAATATAAAT	GGACAGTGAC	TGTAGAAGAT	GGGCCAACTA
1651	AATCAGATCC	TCGGTGCCTG	ACCCGCTATT	ACTCTAGTTT	CGTTAATATG
1701	GAGAGAGATC	TAGCTTCAGG	ACTCATTGGC	CCTCTCCTCA	TCTGCTACAA
1751	AGAATCTGTA	GATCAAAGAG	GAAACCAGAT	AATGTCAGAC	AAGAGGAATG
1801	TCATCCTGTT	TTCTGTATTT	GATGAGAACC	GAAGCTGGTA	CCTCACAGAG
1851	AATATACAAC	GCTTTCTCCC	CAATCCAGCT	GGAGTGCAGC	TTGAGGATCC
1901	AGAGTTCCAA	GCCTCCAACA	TCATGCACAG	CATCAATGGC	TATGTTTTTG
1951	ATAGTTTGCA	GTTGTCAGTT	TGTTTGCATG	AGGTGGCATA	CTGGTACATT
2001	CTAAGCATTG	GAGCACAGAC	TGACTTCCTT	TCTGTCCTCT	TCTCTGGATA
2051	TACCTTCAAA	CACAAAATGG	TCTATGAAGA	CACACTCACC	CTATTCCCAT
2101	TCTCAGGAGA	AACGTGCTTC	ATGTCGATGG	AAAACCCAGG	TCTATGGATT
2151	CTGGGGTGCC	ACAACCTCAG	CTTTCGGAAC	AGAGGCATGA	CCGCCTTACT
2201	GAAGGTTTCT	AGTTGTGACA	AGAACACTGG	TGATTATTAC	GAGGACAGTT
2251	ATGAAGATAT	TTCAGCATAC	TTGCTGAGTA	AAAACAATGC	CATTGAACCA
2301	AGAAGCTTCT	CCCAGAATTTC	AAGACACCTT	AGCACTAGGC	AAAAGCAATT
2351	TAATGCCACC	CCACCAGTCT	TGAAACGCCA	TCAACGGGAA	ATAACTCGTA
2401	CTACTCTTCA	GTCAGATCAA	GAGGAAATTG	ACTATGATGA	TACCATATCA
2451	GTTGAAATGA	AGAAGGAAGA	TTTTGACATT	TATGATGAGG	ATGAAAATCA
2501	GAGCCCCCGC	AGCTTTCAAA	AGAAAACACG	ACACTATTTT	ATTGCTGCAG
2551	TGGAGAGGCT	CTGGGATTAT	GGGATGAGTA	GCTCCCCACA	TGTTCTAAGA
2601	AACAGGGCTC	AGAGTGGCAG	TGTCCCTCAG	TTCAAGAAAG	TTGTTTTCCA
2651	GGAATTTACT	GATGGCTCCT	TTACTCAGCC	CTTATACCGT	GGAGAACTAA

Fig. 12A

2701	ATGAACATTT	GGGACTCCTG	GGGCCATATA	TAAGAGCAGA	AGTTGAAGAT
2751	AATATCATGG	TAACCTTTCAG	AAATCAGGCC	TCTCGTCCCT	ATTCTTCTA
2801	TTCTAGCCTT	ATTTCTTATG	AGGAAGATCA	GAGGCAAGGA	GCAGAACCTA
2851	GAAAAAACTT	TGTCAAGCCT	AATGAAACCA	AAACTTACTT	TTGGAAAGTG
2901	CAACATCATA	TGGCACCCAC	TAAAGATGAG	TTTGACTGCA	AAGCCTGGGC
2951	TTATTTCTCT	GATGTTGACC	TGGAAAAAGA	TGTGCACTCA	GGCCTGATTG
3001	GACCCCTTCT	GGTCTGCCAC	ACTAACACAC	TGAACCCTGC	TCATGGGAGA
3051	CAAGTGACAG	TACAGGAATT	TGCTCTGTTT	TTCACCATCT	TTGATGAGAC
3101	CAAAAGCTGG	TACTTCACTG	AAAATATGGA	AAGAACTGC	AGGGCTCCCT
3151	GCAATATCCA	GATGGAAGAT	CCCACCTTTA	AAGAGAATTA	TCGCTTCCAT
3201	GCAATCAATG	GCTACATAAT	GGATACACTA	CCTGGCTTAG	TAATGGCTCA
3251	GGATCAAAGG	ATTCGATGGT	ATCTGCTCAG	CATGGGCAGC	AATGAAAACA
3301	TCCATTCTAT	TCATTTTCAGT	GGACATGTGT	TCACTGTACG	AAAAAAAGAG
3351	GAGTATAAAA	TGGCACTGTA	CAATCTCTAT	CCAGGTGTTT	TTGAGACAGT
3401	GGAAATGTTA	CCATCCAAAG	CTGGAATTTG	GCGGGTGGAA	TGCCTTATTG
3451	GCGAGCATCT	ACATGCTGGG	ATGAGCACAC	TTTTTCTGGT	GTACAGCAAT
3501	AAGTGTCAGA	CTCCCCCTGGG	AATGGCTTCT	GGACACATTA	GAGATTTTCA
3551	GATTACAGCT	TCAGGACAAT	ATGGACAGTG	GGCCCCAAAG	CTGGCCAGAC
3601	TTCATTATTC	CGGATCAATC	AATGCCTGGA	GCACCAAGGA	GCCCTTTTCT
3651	TGGATCAAGG	TGGATCTGTT	GGCACCAATG	ATTATTCACG	GCATCAAGAC
3701	CCAGGGTGCC	CGTCAGAAGT	TCTCCAGCCT	CTACATCTCT	CAGTTTATCA
3751	TCATGTATAG	TCTTGATGGG	AAGAAGTGGC	AGACTTATCG	AGGAAATTCC
3801	ACTGGAACCT	TAATGGTCTT	CTTTGGCAAT	GTGGATTTCAT	CTGGGATAAA
3851	ACACAATATT	TTTAACCCTC	CAATTATTGC	TCGATACATC	CGTTTGCACC
3901	CAACTCATT	TAGCATTCGC	AGCACTCTTC	GCATGGAGTT	GATGGGCTGT
3951	GATTTAAATA	GTTGCAGCAT	GCCATTGGGA	ATGGAGAGTA	AAGCAATATC
4001	AGATGCACAG	ATTACTGCTT	CATCCTACTT	TACCAATATG	TTTGCCACCT
4051	GGTCTCCTTC	AAAAGCTCGA	CTTCACCTCC	AAGGGAGGAG	TAATGCCTGG
4101	AGACCTCAGG	TGAATAATCC	AAAAGAGTGG	CTGCAAGTGG	ACTTCCAGAA
4151	GACAATGAAA	GTCACAGGAG	TAACACTCA	GGGAGTAAAA	TCTCTGCTTA
4201	CCAGCATGTA	TGTGAAGGAG	TTCTCATCT	CCAGCAGTCA	AGATGGCCAT
4251	CAGTGGACTC	TCTTTTTTCA	GAATGGCAAA	GTAAAGGTTT	TTCAGGGAAA
4301	TCAAGACTCC	TTCACACCTG	TGGTGAACCT	TCTAGACCCA	CCGTTACTGA
4351	CTCGCTACCT	TCGAATTCAC	CCCCAGAGTT	GGGTGCACCA	GATTGCCCTG
4401	AGGATGGAGG	TTCTGGGCTG	CGAGGCACAG	GACCTCTACT	GAGGGTGGCC
4451	ACTGCAGCAC	CTGCCACTGC	CGTCACCTCT	CCCTCCTCAG	CTCCAGGGCA
4501	GTGTCCCTCC	CTGGCTTGCC	TTCTACCTTT	GTGCTAAATC	CTAGCAGACA
4551	CTGCCTTGAA	GCCTCCTGAA	TTAACTATCA	TCAGTCCTGC	ATTTCTTTGG
4601	TGGGGGGCCA	GGAGGGTGCA	TCCAATTTAA	CTTAACTCTT	ACCGTCGACC
4651	TGCAGGCCCA	ACGCGGCCGC			

Fig. 12B

1	AAGCTTAAAC	CATGCCCATG	GGGTCTCTGC	AACCGCTGGC	CACCTTGTAC
51	CTGCTGGGGA	TGCTGGTTCG	TTCCGTGCTA	GCCGCCACCC	GCCGCTACTA
101	CCTGGGCGCC	GTGGAGCTGT	CCTGGGACTA	CATGCAGAGC	GACCTGGGCG
151	AGCTCCCCGT	GGACGCCCGC	TTCCCCCCCC	GCGTGCCCAA	GAGCTTCCCC
201	TTCAACACCA	GCGTGGTGTA	CAAGAAAACC	CTGTTTCGTG	AGTTCACCGA
251	CCACCTGTTC	AACATTGCCA	AGCCGCGCCC	CCCCTGGATG	GGCCTGCTGG
301	GCCCCACCAT	CCAGGCCGAG	GTGTACGACA	CCGTGGTGAT	CACCCTGAAG
351	AACATGGCCA	GCCACCCCGT	CAGCCTGCAC	GCCGTGGGCG	TGAGCTACTG
401	GAAGGCCAGC	GAGGGCGCCG	AGTACGACGA	CCAGACGTCC	CAGCGCGAGA
451	AGGAGGACGA	CAAGGTGTTT	CCGGGGGGGA	GCCACACCTA	CGTGTGGCAG
501	GTGCTTAAGG	AGAACGGCCC	TATGGCCAGC	GACCCCTGTG	GCCTGACCTA
551	CAGCTAACCTG	AGCCACGTGG	ACCTGGTGAA	GGATCTGAAC	AGCGGGCTGA
601	TCGGCGCCCT	GCTGGTGTGT	CGCGAGGGCA	GCCTGGCCAA	GGAGAAAACC
651	CAGACCCTGC	ACAAGTTCAT	CCTGCTGTTC	GCCGTGTTTC	ACGAGGGGAA
701	GAGCTGGCAC	AGCGAGACTA	AGAACAGCCT	GATGCAGGAC	CGCGACGCCG
751	CCAGCGCCCG	CGCCTGGCCC	AAGATGCACA	CCGTAAACGG	CTACGTGAAC
801	CGCAGCCTGC	CCGGCCTGAT	CGGCTGCCAC	CGCAAGAGCG	TGTACTGGCA
851	CGTCATCGGC	ATGGGCACCA	CCCCTGAGGT	GCACAGCATC	TTCCTGGAGG
901	GCCACACCTT	CCTGGTGCGC	AACCACCGCC	AGGCCAGCCT	GGAGATCAGC
951	CCCATCACCT	TCCTGACTGC	CCAGACCCTG	CTGATGGACC	TAGGCCAGTT
1001	CCTGCTGTTC	TGCCACATCA	GCAGCCACCA	GCACGACGGC	ATGGAGGCTT
1051	ACGTGAAGGT	GGACAGCTGC	CCCGAGGAGC	CCCAGCTGCG	CATGAAGAAC
1101	AACGAGGAGG	CCGAGGACTA	CGACGACGAC	CTGACCGACA	GCGAGATGGA
1151	TGTCGTACGC	TTTCGACGAC	ACAACAGCCC	CAGCTTTCAT	CAGATCCGCA
1201	GCGTGGCCAA	GAAGCACCCCT	AAGACCTGGG	TGCACTACAT	CGCCGCCGAG
1251	GAGGAGGACT	GGGACTACGC	CCCGCTAGTA	CTGGCCCCCG	ACGACCGCAG
1301	CTACAAGAGC	CAGTACCTGA	ACAACGGCCC	CCAGCGCATC	GGCCGCAAGT
1351	ACAAGAAGGT	GCGCTTCATG	GCCTACACCG	ACGAGACTTT	CAAGACCCGC
1401	GAGGCCATCC	AGCACGAGTC	CGGCATCCTC	GGCCCCCTGC	TGTACGGCGA
1451	GGTGGGCGAC	ACCCTGTGTA	TCATCTTCAA	GAACCAGGCC	AGCAGGCCCT
1501	ACAACATCTA	CCCCACGGC	ATCACCGACG	TGCGCCCCCT	GTACAGCCGC
1551	CGCTGTCCCA	AGGGCGTGAA	GCACCTGAAG	GACTTCCCCA	TCCTGCCCGG
1601	CGAGATCTTC	AAGTACAAGT	GGACCGTGAC	CGTGGAGGAC	GGCCCCACCA
1651	AGAGCGACCC	CCGCTGCCTG	ACCCGCTACT	ACAGCAGCTT	CGTGAACATG
1701	GAGCGCGACC	TGGCCTCCGG	ACTGATCGGC	CCCCTGCTGA	TCTGCTACAA
1751	GGAGAGCGTG	GACCAGCGCG	GCAACCAGAT	CATGAGCGAC	AAGCGCAACG
1801	TGATCCTGTT	CAGCGTGTTT	GACGAGAACC	GCAGCTGGTA	TCTGACCGAG
1851	AACATCCAGC	GCTTCCTGCC	CAACCCCGCT	GGCGTGCAGC	TGGAAGATCC
1901	CGAGTTCCAG	GCCAGCAACA	TCATGCACAG	CATCAACGGC	TACGTGTTTC
1951	ACAGCCTGCA	GCTGAGCGTG	TGCCTGCATG	AGGTGGCCTA	CTGGTACATC
2001	CTGAGCATCG	GCGCCAGAC	CGACTTCCTG	AGCGTGTTCT	TCTCCGGGTA
2051	TACCTTCAAG	CACAAGATGG	TGTACGAGGA	CACCCTGACC	CTGTTCCCCT
2101	TCTCCGGCGA	GACTGTGTTT	ATGTCTATGG	AGAACCCCGG	CCTGTGGATT
2151	CTGGGCTGCC	ACAACAGCGA	CTTCCGCAAC	CGCGGCATGA	CTGCCCTGCT
2201	GAAAGTCTCC	AGCTGCGACA	AGAACACCGG	CGACTACTAC	GAGGACAGCT
2251	ACGAGGACAT	CTCCGCCCTAC	CTGCTGTCCA	AGAACAACGC	CATCGAGCCC
2301	CGCTCCTTCT	CCCAAACTC	CCGCCACCCC	AGCACGCGTC	AGAAGCAGTT
2351	CAACGCCACC	CCCCCCGTGC	TGAAGCGCCA	CCAGCGCGAG	ATCACCCGCA
2401	CCACCCTGCA	AAGCGACCAG	GAGGAGATCG	ACTACGACGA	CACCATCAGC
2451	GTGGAGATGA	AGAAGGAGGA	CTTCGACATC	TACGACGAGG	ACGAGAACCA
2501	GAGCCCCCGC	TCCTTCCAAA	AGAAAACCCG	CCACTACTTC	ATCGCCGCCG
2551	TGGAGCGCCT	GTGGGACTAC	GGCATGAGCA	GCAGCCCCCA	CGTCCTGCGC
2601	AACCGCGCCC	AGAGCGGCAG	CGTGCCCCAG	TTCAAGAAGG	TGGTGTTCCT
2651	GGAGTTCACC	GACGGCAGCT	TCACCCAGCC	CCTGTACCGC	GGCGAGCTGA

Fig. 13A

2701	ACGAGCACCT	GGGCCTGCTC	GGCCCCTACA	TCCGCGCCGA	GGTGGAGGAC
2751	AACATCATGG	TGACCTTCCG	CAACCAAGCC	TCCCGGCCCT	ACTCCTTCTA
2801	CTCCTCCCTG	ATCAGCTACG	AGGAGGACCA	GCGCCAGGGC	GCCGAGCCCC
2851	GCAAGAACTT	CGTGAAGCCC	AACGAGACTA	AGACCTACTT	CTGGAAGGTG
2901	CAGCACCACA	TGGCCCCCAC	CAAGGACGAG	TTCGACTGCA	AGGCCTGGGC
2951	CTACTTCAGC	GACGTGGACC	TGGAGAAGGA	CGTGCACAGC	GGCCTGATCG
3001	GCCCCCTGCT	GGTGTGCCAC	ACCAACACCC	TGAACCCCCC	CCACGGGAGG
3051	CAGGTGACTG	TGCAGGAATT	TGCCCTGTTC	TTCACCATCT	TCGACGAGAC
3101	TAAGAGCTGG	TACTTCACCG	AGAACATGGA	GCGCAACTGC	CGCGCCCCCT
3151	GCAACATCCA	GATGGAAGAT	CCCACCTTCA	AGGAGAACTA	CCGCTTCCAC
3201	GCCATCAACG	GCTACATCAT	GGACACCCTG	CCCGGCCTGG	TGATGGCCCA
3251	GGACCAGCGC	ATCCGCTGGT	ACCTGCTGTC	TATGGGCAGC	AACGAGAACA
3301	TCCACAGCAT	CCACTTCAGC	GGCCACGTTT	TCACCGTGCG	CAAGAAGGAG
3351	GAGTACAAGA	TGGCCCTGTA	CAACCTGTAC	CCCGGCGTGT	TCGAGACTGT
3401	GGAGATGCTG	CCCAGCAAGG	CCGGGATCTG	GCGCGTGGAG	TGCCTGATCG
3451	GCGAGCACCT	GCACGCCGGC	ATGAGCACCC	TGTTCTCTGGT	GTACAGCAAC
3501	AAGTGCCAGA	CCCCCCTGGG	CATGGCCAGC	GGCCACATCC	GCGACTTCCA
3551	GATCACGCC	AGCGGCCAGT	ACGGCCAGTG	GGCTCCCAAG	CTGGCCCCGC
3601	TGCACTACAG	CGGCAGCATC	AACGCCTGGT	CGACCAAGGA	GCCCTTCTCC
3651	TGGATCAAGG	TGGACCTGCT	GGCCCCCATG	ATCATCCACG	GCATCAAGAC
3701	CCAGGGCGCC	CGCCAGAAGT	TCAGCAGCCT	GTACATCAGC	CAGTTCATCA
3751	TCATGTACTC	TCTAGACGGC	AAGAAGTGGC	AGACCTACCG	CGGCAACAGC
3801	ACCGGCACCC	TGATGGTGTT	CTTCGGCAAC	GTGGACAGCA	GCGGCATCAA
3851	GCACAACATC	TTCAACCCCC	CCATCATCGC	CCGCTACATC	CGCCTGCACC
3901	CCACCCACTA	CAGCATCCGC	AGCACCCCTG	GCATGGAGCT	GATGGGCTGC
3951	GACCTGAACA	GCTGCAGCAT	GCCCCTGGGC	ATGGAGAGCA	AGGCCATCAG
4001	CGACGCCCCAG	ATCACCGCCT	CCAGCTACTT	CACCAACATG	TTCGCCACCT
4051	GGAGCCCCAG	CAAGGCCCGC	CTGCACCTGC	AGGGCCGCAG	CAACGCCTGG
4101	CGCCCCCAGG	TGAACAACCC	CAAGGAGTGG	CTGCAGGTGG	ACTTCCAGAA
4151	AACCATGAAG	GTGACTGGCG	TGACCACCCA	GGGCGTCAAG	AGCCTGCTGA
4201	CCAGCATGTA	CGTGAAGGAG	TTCTTGATCA	GCAGCAGCCA	GGACGGCCAC
4251	CAGTGGACCC	TGTTCTTCCA	AAACGGCAAG	GTGAAGGTGT	TCCAGGGCAA
4301	CCAGGACAGC	TTACACCCGG	TCGTGAACAG	CCTGGACCCC	CCCCTGCTGA
4351	CCCGCTACCT	GCGCATCCAC	CCCCAGAGCT	GGGTGCACCA	GATCGCCCTG
4401	CGCATGGAGG	TGCTGGGCTG	CGAGGCCCAG	GACCTGTACT	GAAGCGGCCG
4451	C				

Fig. 13B